

WE CLAIM:

1. A two-cycle engine, comprising:

5 a cylinder 2 in which is formed a combustion chamber 3
that is delimited by a reciprocating piston 5 that via a connecting rod 6
drives a crankshaft 7 that is rotatably mounted in a crankcase 4,
wherein an inlet 8 is provided for a supply of fuel into said crankcase 4,
wherein said cylinder 2 has an outlet 14 leading out of said combustion
chamber 3, and wherein in predetermined positions of said piston 5
10 said crankcase 4 communicates with said combustion chamber 3 via at
least one transfer channel 10, 12; and

a cover 13, 35, 45 that is secured to a connecting flange
16 of said cylinder 2, wherein said cover closes off said at least one
transfer channel 10, 12 on an outer side of said cylinder, and wherein
15 said connecting flange 16 is inclined relative to a longitudinal axis 17 of
said cylinder by an angle that opens in a direction toward said
crankcase 4.

2. A two-cycle engine according to claim 1, wherein said at
least one transfer channel 10,12 is embodied as a loop channel.

20 3. A two-cycle engine according to claim 1, wherein said
angle is from 1 to 20°.

4, A two-cycle engine according to claim 3, wherein said
angle is from 5 to 15°.

5. A two-cycle engine according to claim 1, wherein said cover 15, 35, 45 is provided with an edge 25 via which said cover rests against said connecting flange 16, and wherein said edge 25 of said cover is provided with a peripheral groove 26 for receiving a seal 20.

5 6. A two-cycle engine according to claim 1, wherein a nose 28 is formed on said cover 35, and wherein said nose extends into said cylinder 2 and forms a roof 30 of said at least one transfer channel 10,12 that faces said combustion chamber 3.

10 7. A two-cycle engine according to claim 6, wherein said cylinder 2 is provided with a shoulder 29, and wherein said nose 28 rests on said shoulder 29 at a distance from a bore 23 of said cylinder.

15 8. A two-cycle engine according to claim 1, wherein said cylinder 2 has a central plane 18 that divides the outlet 14 approximately centrally, wherein said central plane 18 includes said longitudinal axis 17 of said cylinder, and wherein on one side of said central plane at least two transfer channels 10,12 are disposed that are closed off by a common cover 15, 35, 45.

20 9. A two-cycle engine according to claim 8, wherein inner walls 31 of said transfer channels 10,12 are formed on said cylinder 2 and project beyond said connecting flange 16 into said cover 15, 35, 45, and wherein said cover is provided with a strut 32 that in a circumferential direction of said cylinder is disposed between two inner walls 31 of said transfer channels.

10. A two-cycle engine according to claim 1, wherein one transfer channel 10,12 continues in a wall 22 of said cylinder 2 to said crankcase 4.

5 11. A two-cycle engine according to claim 1, wherein said cover 15, 35, 45 is screwed to said cylinder 2.

12. A two-cycle engine according to claim 1, wherein said cover 15, 35 is an injection molded part.

13. A two-cycle engine according to claim 1, wherein said cover 15, 35 is provided with cooling fins 24.

10 14. A two-cycle engine according to claim 1, wherein said cover 45 is a deep-drawn part.